MEMA \* \* classifications

Share & Care Group

classifications

nestritional

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Metabolic Notes

Name + abb.	structure	chemical	Polarity of side	nsubvitronal Biological	Metabolic	Notes
Glysine	colt	Neutral	none-Polar	Non-essential		- Optically
gly=G	NH3-C-H					inactive.
J. J = O(	la contraction	Later		Denkal		Married
Alanine	Coot	Neutral	non-polar	Non-essential	glucogenic	Tive T
ala = A	NH-C-H					
	CHz					
Valine	CooH"	Neutral	non-polar.	essential	glucogenic	- Type One
Val = V	NH3-C-H		Walter John Fred		V J	$V = \psi \Gamma$
		×				
	CH3 CH3					
Leusine	(0011	Neutral	Non-polar	essential	Keto genic	
Lew = L	NHZ-C-H	Johnson non	lastes.	ledusta		Aspanning
Jvie	CH2 CH		Vestional array		bush.	Manak
	CH3 CH3					
Isoleusine	COOH	Neutral	non-polar	Essential	mixed	
ile = I	NH3-C-H					
Tables A	H-C-CH3	Adhara mai	100)20	- lastasy		Chilamine
	CH3		dering no.			abra Q
phenylalanine	+ COOH	Neutral	nou-polar	essential	Mixed	Aromatic
phe=F	NH3-C-14					Denzyne
	CH <sub>2</sub>					
		Life or a	70/807	Judani		316-4315-
Trypto phan	NH-C-H	Neutral	non-polar	essential	mixed	Aromatic
Trp = W	: t/2				1	Indoly group
	C CH					penzyne
6	N. CH	Industria.	ASSESSED TO SE	153356		Aspartic La
Methionine	+ coot	Neutral	non-polar	essential	glucogenic	Sulfur group
met = M	14 COOT	W				
- Patrick a	CHz	Johnson G. Marie	pales maried	- (3- W/10)		Chilamet
21 <u>2</u> 1266 to	CHZ	Kan Tool La				PILE AT Y
	CH3					3.00

	0-511					
Serine	NH C - H	Neutral	polar-non-romen	non-essential	a/acogenic.	- it has oxyle
Ser -S	H - C - OH	Sankara residen	moles -siren	riestys!		group (OH)
- Section	H					D - NO
Threonine	cast	Neutral	polar-non-	essential	aluco genic	0xyle group.
Thy= T	NH-C-H	Managemental	non ionized	Leckioti	J	SWILE DAY
	NH3-C-H-MID H-C-OH					A - No
	CH3					
Tyrosine	+ COOH	Neutral	polar	NON-essential	Mixed	oxyle group
Tyr = Y	NH3-C-H		non-louised			avomatic
	CH <sub>2</sub>			¢ .		Phenyl
						0
	OH		A/bn Quluy	Janka SV.		A Section 1
Aspargine	1 cool	Neutral	polar	non-essential	glacogenic	Amid group or
Asn=N	NH3-C-H-		non-jonized			Carbonyle
	CH2					n-e-
<u> </u>	NA	6	Home I elso	1,350		Services.
	7.2		7.4			2 30
Ghutamine	coold	Neutral	polar	non-essentia	gluco ginic	Amiel group
Gln = Q	NH3- C-1-1		non ionized			corbonyle
SHARKS	-11	Lechard S		La Late		anne desta
	CH2					
	015 NH2		4			
Cysteine	coott	Neutral	polar	non-essentia	glucogenic	Salfar group
Cxs = C	NH C-H	eson Cal	non ionized	Levelson		sulfidry
Cross Joh	CH2				E FE	100 W
7	SH					
Aspartic	NH - C-H	acidic	120 Car ionized	non-essential	gluco genic	mono aminel
ASD = D	c'1+2	Induses	Value Partois	Jaganal .	) -	dicarboxyle
aspartate	0 = c \ 0 H					14 -14 -350
Glubamic	COOH	acidic	Po lar inited	non-essentio	d alucacinin	morre amino
Glu = E	NH3-C-H	10.010	1 0-1 1014100	, out == 01) ovor.	Juney	de carboxyle
dutamate.	CH2					

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					Orla	ire & care group
Histidine	COOH J	Basic	polar	essential	glicogano	mono carboxy6
His = H	NB-'C-H	Can	conized	Semiessentin		diamino.
	CH2.	ed in the		= baharata	wo 2 - e 1	imida zolium
	# 1 NO NH	dso region	TYLE BOY	- for - had	JAMONYO	
	# NON H				9.	0
Lysine	NH3+C-H	basic	polar	essential	Lucogenic	mono carbox/6
-ys = K	3 8 CH2	- Ind Anh	ionized			
11/201 200	OCH2	Landa Barks		L esu; B	E E D	epsilon
el de	SCH2 ECH2	J. Carlo	D. D. JANGE	Dul-aluc		boxist 1
AND COLOR OF THE PARTY OF THE P	N Ha	,		1		0 000
frainine	1 H COOH	basic	polar.	essential		mono Carboxyle
trg = R	CH <sub>2</sub>	Sorg Bland	isnized	Semiessenha		
	c H2	च्याच्या आहे. च्याच्या आहे	Jane -	Leadyle .	)	quanidinium
New York	C th	30 N	500	M. M. T.	VAS	0
	NH+					grant.
	= 101/2				LA LOS	
	NUL					History
chaific	adions of am	ina acialsa				
	emical classifi					31.7
	coroling to the		of accelic	and bas	cic grows	
	ral: GAV				sie justijo	- 8-
	SCI	- Y N)	B			
- acid	ic: DE		= 12 () 400 Y	Sheet grade	g sale	1 = 7
Basi	ic: DE c: KR	1-1		2 4 ()	to) Nexon	byl-t -
2- Pol	larity:			(1	ridry (sk	1.2
i	n physiologi	cal DH	-W-0	E CHIA?	mole (	Ave
	- Polar - Non-					
	1 - Non - 10					
	- ionized					
3- Bio	logical class	ification:	eventri	tionally)	i Tyma	- Hy sheave
Esse	ntial: Can't	be formed	in the	body, it	is essen	fiel As
	taken in a					

10 Non-essential: are formed in the body in amount enough for
adults and dildren- GAPSCANDEY
I some times & Semiessential: are formed in the body but not in
Sufficient amount for body requirments especially in Children.
H-R
3- Metabolic Classification:
a coording to metabolic or degradation products of a.a.
2 Keto genic a-a: gives retone bodies LIK (pure rectogn)
I Mixed Kesto gaire and glucogenic a.a. gives both Ketone bookies
and glucose. I F Y W
L'glucogénic a.a. gives glacose.
by catabolism yields products that enter
in glycogen and glucose formation.
GAVTMRSCQNDERSH
polarity =
ON, N 2P,N 3P,1
coeff cooff cooff and a
NH-C-H NH-C-H
(CH2)n (CH2)n (CH2)n
X = polare neutral groups:-
- Hydroxyle (OH) = S T Y
- Sulfidry (SH) = C
- Amide (ENH) = Q N' Ha lasind signal
- Indal group ( = (Try) W Non portain A.As:-
4- Rane type of A.A (post-Transulation modelication) citrullin and Brithin
- Hydroxy proline (found in collage) - 13 - Alanine
Hydroxy lysine (found in collager) DOPA
_ N-methyl 145ine (found in myosine) - taurine.